FIG. 1

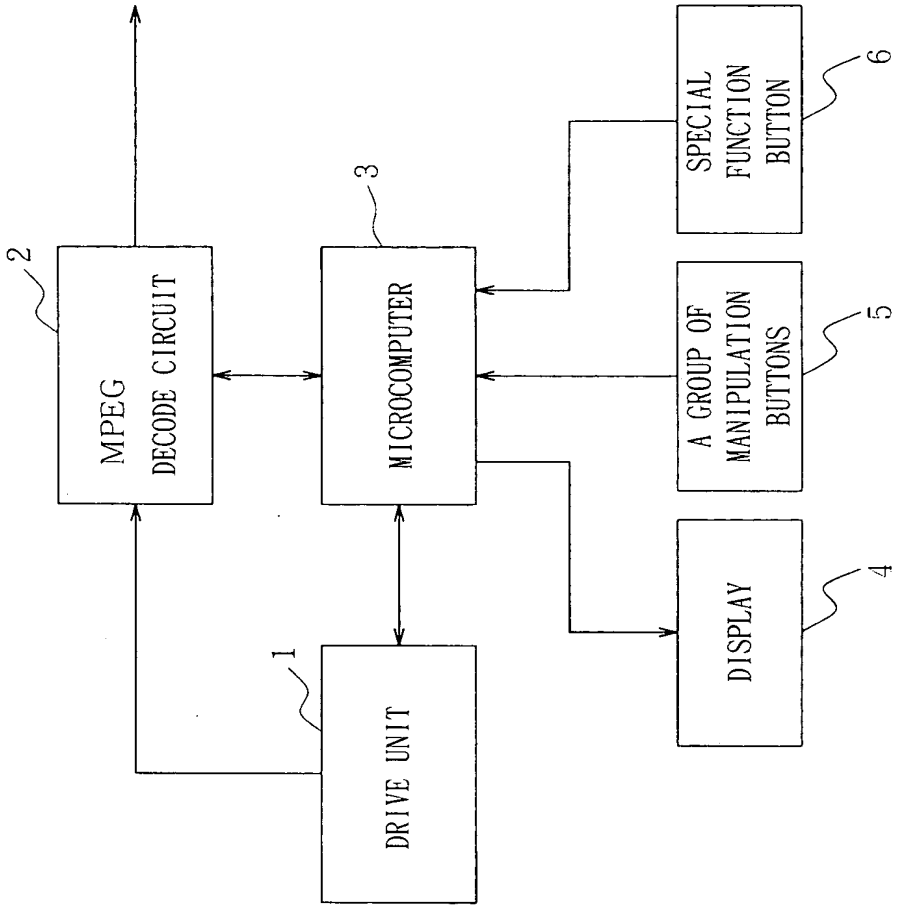

MPEG
DECODE CIRCUIT
2
MICROCOMPUTER
3
SPECIAL
FUNCTION
BUTTON
6
A GROUP OF
MANIPULATION
BUTTONS
5
DISPLAY
4
DRIVE UNIT
1

FIG. 2

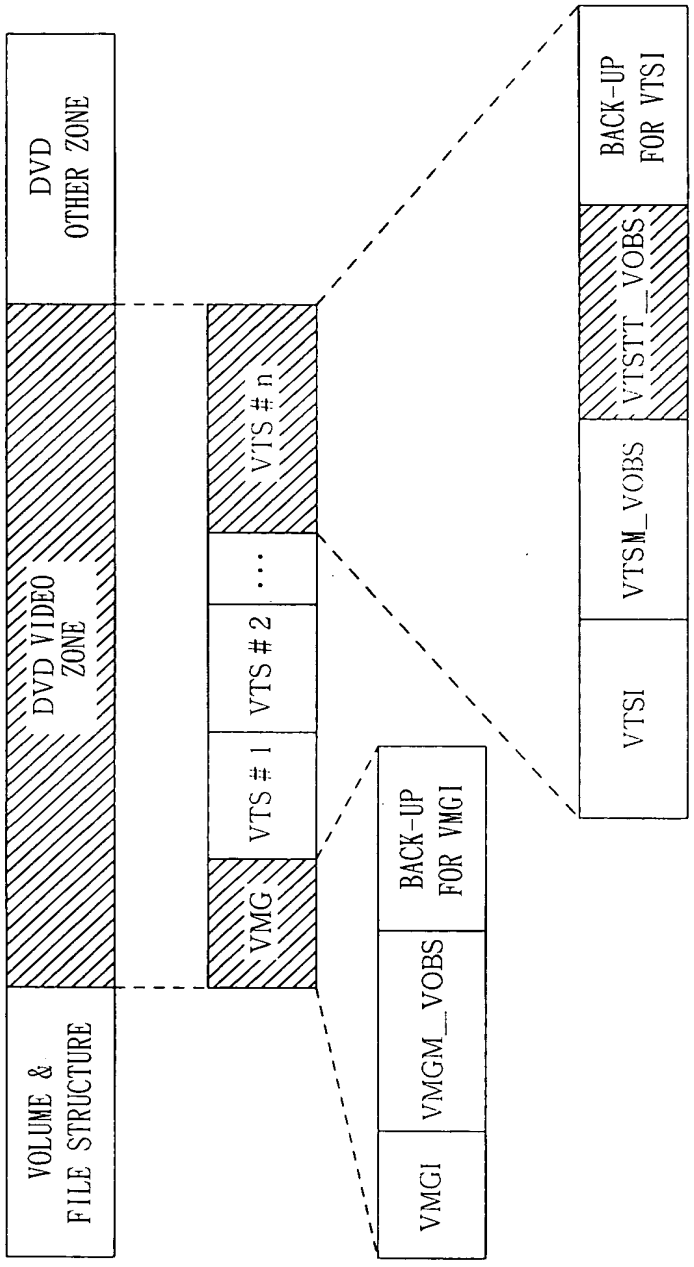

VOLUME & FILE STRUCTURE
DVD VIDEO ZONE
DVD OTHER ZONE
VMG
VTS #1
VTS #2
...
VTS #n
VMGI
VMGM_VOBS
BACK-UP FOR VMGI
VTSI
VTSM_VOBS
VTSTT_VOBS
BACK-UP FOR VTSI

FIG. 3

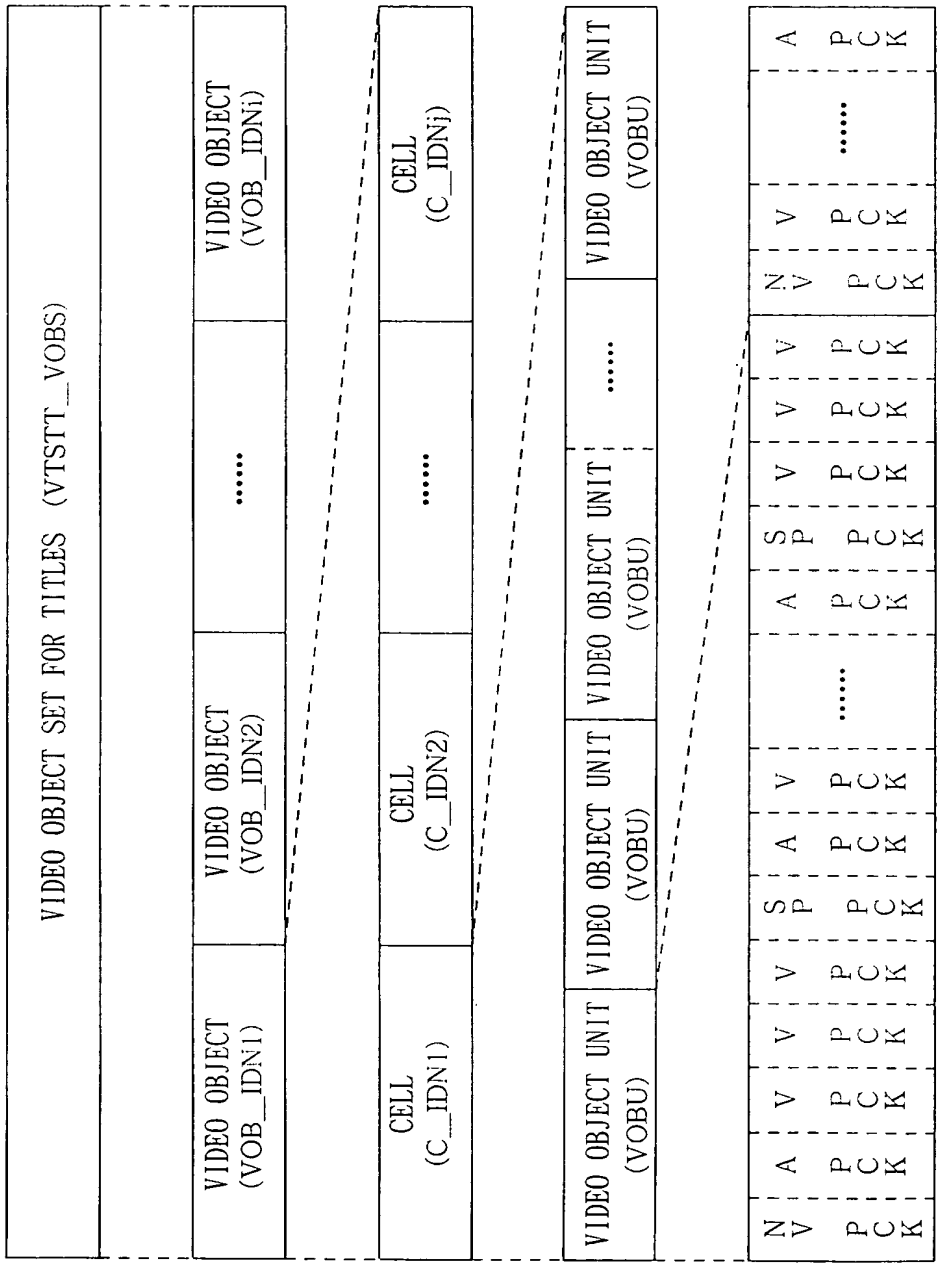

VIDEO OBJECT SET FOR TITLES (VTSTT_VOBS)
VIDEO OBJECT (VOB_IDN1)
VIDEO OBJECT (VOB_IDN2)
.....
VIDEO OBJECT (VOB_IDNi)
CELL (C_IDN1)
CELL (C_IDN2)
.....
CELL (C_IDNj)
VIDEO OBJECT UNIT (VOBU)
VIDEO OBJECT UNIT (VOBU)
.....
VIDEO OBJECT UNIT (VOBU)
NV
PCK
A
V
SP
.....

FIG. 4

GPRM14	GPRM15	$\overline{(GPRM14 \hat{} GPRM15)}$	FUNCTION OF SPECIAL FUNCTION BUTTON
0x4598	0xba67	0x0000	FUNCTION 1
	0xba66	0x0001	FUNCTION 2
	0xba65	0x0002	FUNCTION 3
	0xba64	0x0003	FUNCTION 4
	0xba63	0x0004	FUNCTION 5
	0xba62	0x0005	FUNCTION 6
	0xba61	0x0006	FUNCTION 7
	0xba60	0x0007	FUNCTION 8
	0xba6f	0x0008	FUNCTION 9
	0xba6e	0x0009	FUNCTION 10

FIG. 5

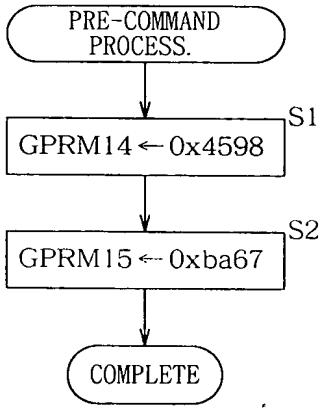


FIG. 6

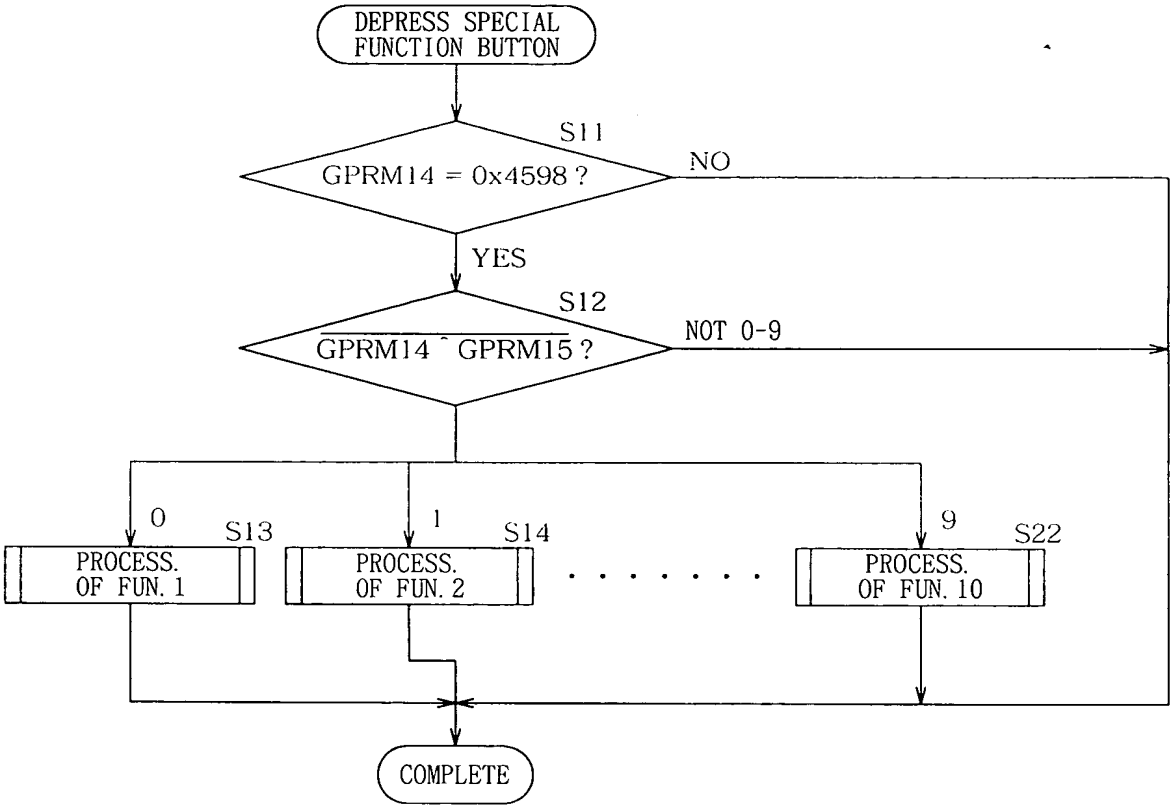

DEPRESS SPECIAL FUNCTION BUTTON
S11
GPRM14 = 0x4598 ?
NO
YES
S12
GPRM14 ~ GPRM15 ?
NOT 0-9
0
S13
PROCESS. OF FUN. 1
1
S14
PROCESS. OF FUN. 2
9
S22
PROCESS. OF FUN. 10
COMPLETE

FIG. 7

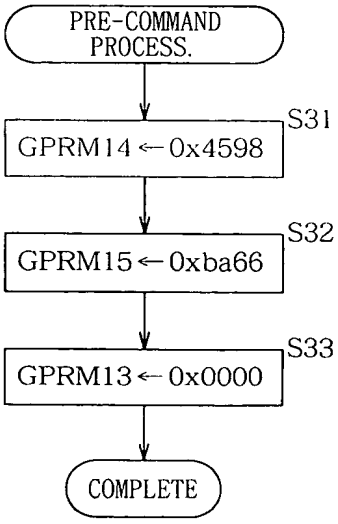

PRE-COMMAND PROCESS.
S31
GPRM14 ← 0x4598
S32
GPRM15 ← 0xba66
S33
GPRM13 ← 0x0000
COMPLETE

FIG. 8

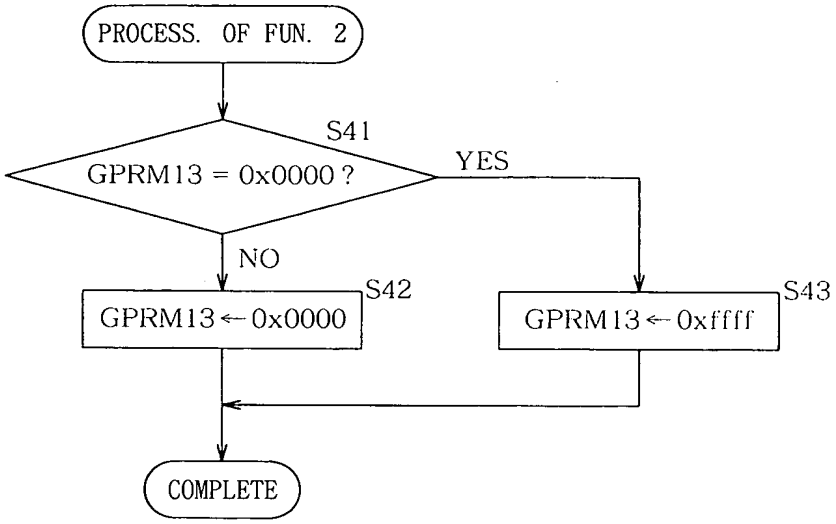
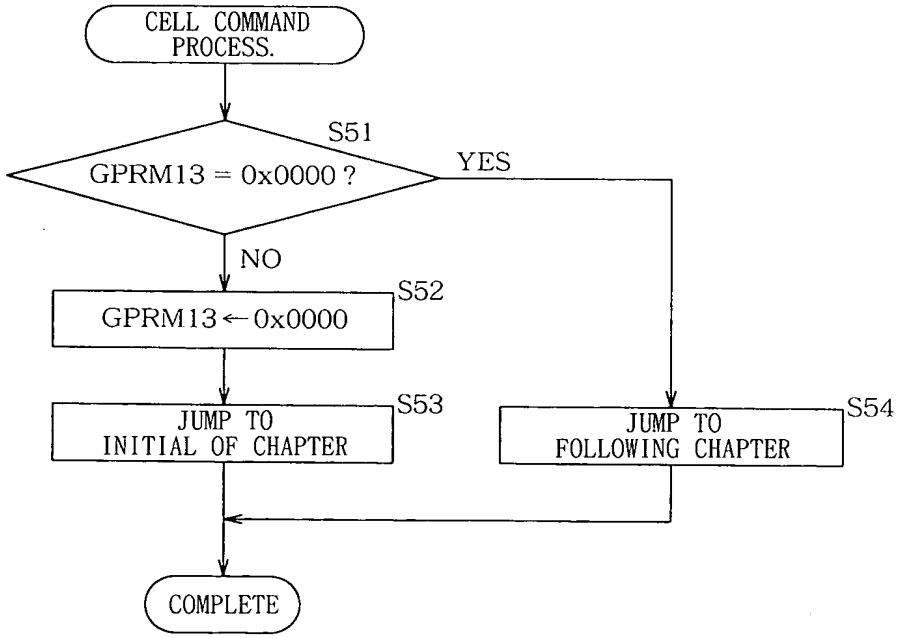

PROCESS. OF FUN. 2
S41
GPRM13 = 0x0000 ?
YES
NO
S42
GPRM13 ← 0x0000
S43
GPRM13 ← 0xffff
COMPLETE

FIG. 9


CELL COMMAND PROCESS.
S51
GPRM13 = 0x0000 ?
YES
NO
S52
GPRM13 ← 0x0000
S53
JUMP TO INITIAL OF CHAPTER
S54
JUMP TO FOLLOWING CHAPTER
COMPLETE